

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"4644013".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 15:32
S2	2	"4606873".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 15:34
S3	51	dietzen-franz-josef. in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:16
S4	57	ehrmann-gerd.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:16
S5	54	schmied-bernhard.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:17
S6	19	laun-martin.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:17
S7	200	hahn-klaus.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:17
S8	29	ruch-joachim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:17
S9	46	allmendinger-markus. in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:18
S10	26	holoch-jan.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:18
S11	9	datko-achim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/06 17:18
S12	2	("3892834"   "4385016").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/06 17:41
S13	2011	264/51	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/06 17:41
S14	755	264/51 and (die head with (orifice hole aperture))	US-PGPUB; USPAT; USOCR	OR	OFF	2008/05/06 17:42
S15	780	264/51 and (die head with (orifice hole aperture))	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/06 17:42

S16	51	dietzen-franz-josef.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S17	57	ehrmann-gerd.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S18	54	schmied-bernhard.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S19	19	laun-martin.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S20	200	hahn-klaus.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S21	29	ruch-joachim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S22	46	allmendinger-markus.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S23	26	holoch-jan.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S24	9	datko-achim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S25	297	S16 S17 S18 S19 S20 S21 S22 S23 S24	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:14
S26	45380	"264".clas. and ((expand\$4 adj styrene) with molecular weight (g/ mol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:24
S27	19	"264".clas. and ((expand\$4 adj styrene) with molecular weight (g/ mol)) and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:24
S28	19	"264".clas. and ((expand\$4 adj styrene) same ("190000" "400000") with molecular weight (g/mol)) and S25	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:28

S29	1	"264".clas. and ((expand\$4 adj styrene) with molecular weight (g/mol))	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/05/07 15:29
S30	249	"264".clas. and ((expand\$4 adj styrene) with molecular weight (g/mol)) with polydispersity\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:33
S31	531	"264".clas. and ((expand\$4 adj styrene) with molecular weight (g/mol)) with (polydispersity\$1 ("Mw/Mn"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 15:35
S32	51	dietzen-franz-josef.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S33	57	ehrmann-gerd.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S34	54	schmied-bernhard.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S35	19	laun-martin.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S36	200	hahn-klaus.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S37	29	ruch-joachim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S38	46	allmendinger-markus.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S39	26	holoch-jan.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S40	9	datko-achim.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S41	297	S32 S33 S34 S35 S36 S37 S38 S39 S40	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04

S42	2	"264".clas. and (((expand\$4 adj styrene) with internal water)same ("190000" "400000") with "1"(g/mol)) and S41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:04
S43	2	"264".clas. and ((expand\$4 adj styrene) same ("190000" "400000") with "1"(g/mol)) and S41 and(granule\$1 with internal water)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:06
S58	57	"264".clas. and (((expand\$4 adj styrene) and copolymer\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:13
S59	6447	"264".clas. and (((expand\$4 adj styrene) and expansion capabilit \$2)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:14
S60	1	"264".clas. and (((expand\$4 adj styrene) with (granule \$1 adj expansion capabilit\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:14
S61	1	"264".clas. and (((expand\$4 adj styrene) with (granule \$1 near expansion capabilit\$2))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:14
S68	3	"264".clas. and (((expand\$4 adj styrene) and ("500" adj "ppm"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:17
S69	1	("5596045").URPN.	USPAT	OR	OFF	2008/05/07 18:18
S70	0	"264".clas. and (((expand\$4 adj styrene) and ((styrene adj monomer\$1) adj "ppm"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:21
S71	0	"264".clas. and (((expand\$4 adj styrene) and ((styrene and monomer\$1) adj "ppm"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:21

S72	4	"264".clas. and ((expand\$4 adj styrene) and ((styrene and monomer\$1) and "ppm"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:21
S73	9	"264".clas. and ((expand\$4 adj styrene) and ("molecular weight distribution"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:23
S74	1	"264".clas. and ((expand\$4 adj styrene) and ("molecular weight distribution") and "Mw/Mn")	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:27
S75	49	"264".clas. and ((expand\$4 adj styrene) and (blowing agent adj "160" "240" adj temperature))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:29
S76	0	"264".clas. and ((expand\$4 adj styrene) and (die adj hole\$1 adj diameter \$1 adj "die exit"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:35
S77	0	"264".clas. and ((expand\$4 adj styrene) and (die adj hole\$1 adj diameter \$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:36
S78	1	"264".clas. and ((expand\$4 adj styrene) and (die adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:36
S79	33	"264".clas. and ((expand\$4 adj styrene) and (extrusion die adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:36
S80	0	"264".clas. and ((expand\$4 adj styrene) and ("die-head" adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:37
S81	0	"264".clas. and ((expand\$4 adj styrene) and (head adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:37

S82	1	"264".clas. and ((expand\$4 adj styrene) and (die adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:38
S83	0	"264".clas. and ((expand\$4 adj styrene) and (extruder adj hole \$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:38
S84	33	"264".clas. and ((expand\$4 adj styrene) and (extrusion die adj hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:38
S85	34	"264".clas. and ((expand\$4 adj styrene) and (extrusion die with hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:38
S86	33	"264".clas. and ((expand\$4 adj styrene) and (extrusion die with (hole\$1 orifice\$1 opening\$1) and "die plate"))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:40
S87	32	"264".clas. and ((expand\$4 adj styrene) and (die plate with holes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:41
S88	32	"264".clas. and ((expand\$4 adj styrene) and (die plate with shapes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:44
S89	41	"264".clas. and ((expand\$4 adj styrene) and (extrusion die plate with shapes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:44
S90	41	"264".clas. and ((expand\$4 adj styrene) and (extrusion die nozzle with shapes))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:45
S91	41	"264".clas. and ((expand\$4 adj styrene) and (extrusion die nozzle with conical))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:46

S92	41	"264".clas. and ((expand\$4 adj styrene) and (extrusion die nozzle adj conical))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:46
S93	0	"264".clas. and ((expand\$4 adj styrene) and (nozzle adj conical))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:47
S94	33	"264".clas. and ((expand\$4 adj styrene) and (extrusion nozzle adj conical))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:47
S95	2009	264/51	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:53
S96	0	"264/51".clas. and ((expand\$4 adj styrene) and (extrusion die with hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:53
S97	13	"264/51" and ((expand\$4 adj styrene) and (extrusion die with hole\$1 ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:53
S98	855	264/45.9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:54
S99	5187	264/45.9 264/51 264/41 264/37.18	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:56
S100	6	S99 and 264/37.32	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:56
S101	3	S99 and 264/37.32 and polystyrene	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:57
S102	7	S99 and 264/37.32 264/36.11 and polystyrene	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:58
S103	15	S99 and 264/37.32 264/36.11	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:58
S104	116	S99 and 264/37.32 264/36.11 264/413	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 18:59

S105	163	S99 and 264/37.32 264/36.11 264/413 264/415	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 19:00
S106	181	S99 and 264/37.32 264/36.11 264/413 264/415 264/431	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/07 19:00
S107	0	S99 and 264/37.32 264/36.11 264/413 264/415 264/431	US-PGPUB; USPAT; EPO; JPO; DERWENT	NEAR	OFF	2008/05/07 19:00
S108	0	S99 and 264/37.32 264/36.11 264/413 264/415 264/431	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/05/07 19:00
S109	5	"3817669".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 22:37
S110	2	"6340713".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 22:38
S111	2	"6465533".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 22:39
S112	2	"4644013".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 22:40
S113	2	"5271886".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/05/23 22:40
S114	9632	die adj plate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:49
S115	9632	(die adj plate)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:50
S116	0	(die adj plate) with hole41	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:50
S117	1630	(die adj plate) with hole\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:50
S118	6	((die adj plate) with hole\$1) and (conical adj hole)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:50
S119	4	((die adj plate) with hole\$1) and (conical adj inlet)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:54
S120	3049	264/51 264/53	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:55



S121	0	S120 and S118	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:56
S122	14	S120 and S117	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 13:56
S123	5782	extrusion adj head	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:26
S124	496	(extrusion adj head) with nozzle	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:26
S125	72	((extrusion adj head) with nozzle) and (expanded polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:27
S126	1	((extrusion adj head) with nozzle) and (expanded polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/06/06 16:27
S127	14	("5605937").URPN.	USPAT	OR	OFF	2008/06/06 16:30
S128	0	((extrusion adj head) with (nozzle adj long)) and (expanded polystyrene)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:31
S129	0	((extrusion adj head) with (nozzle adj long))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:31
S130	0	((extrusion adj head) and (nozzle adj long))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:32
S131	1249	((extrusion adj head) and (nozzle ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:32
S132	62	((extrusion adj head) adj (nozzle ))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:32
S133	6	("3681510"   "3972970"   "4278624"   "4585603"   "5900198"   "6613983").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:34
S134	29	("3972970").URPN.	USPAT	OR	OFF	2008/06/06 16:34

S135	3176	(extrusion adj nozzle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2008/06/06 16:35
S136	3176	(extrusion adj nozzle)	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/06/06 16:35
S137	40	(extrusion adj nozzle) with shaft	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/06/06 16:35
S138	3	"4049760".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	SAME	OFF	2008/06/06 16:38
S139	15	("4049760").URPN.	USPAT	OR	OFF	2008/06/06 16:39
S140	10	("2756461"   "3317363"   "3363034"   "3548042"   "3764642"   "3812230").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:40
S141	34	("T" adj shape) and (die adj head)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:42
S142	1	"5605937".pn.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:56
S143	19	("3075948"   "3126432"   "3651183"   "3886100"   "4089818"   "4214030"   "4214054"   "4275168"   "4399087"   "4483809"   "4493924"   "4540718"   "4606873"   "4870111"   "4988740"   "5026736").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:56
S144	1	(die adj head) with (long adj nozzle)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:57
S145	0	(die adj head) with (protrud\$4 adj nozzle)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:59
S146	0	(die adj head) with (project\$4 adj nozzle)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:59

S147	149	(die adj head) with (nozzle)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 16:59
S148	3	(die adj head) with (nozzle adj inject\$3)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 17:01
S149	5	(die adj head) with (nozzle with project \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 17:02
S150	8	(die adj head) with (orifice with project \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 17:04
S151	2	(die adj head) with (outlet with project \$4)	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 17:05
S152	4	("3988097").URPN.	USPAT	OR	OFF	2008/06/06 17:06
S153	104	(extrus\$4 adj head) with project\$4	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/06 17:07

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